Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender IP/OP Location	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
	O-OPD	Report Date	18/10/2024 3:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9251616062		

### **BIOCHEMISTRY**

Test Name	Result	Unit	Biological Ref. Range	
BLOOD GLUCOSE (FASTING)				Sample: Fl. Plasma
BLOOD GLUCOSE (FASTING)	88.5	mg/dl	71 - 109	

Method: Hexokinase assay.

TSH

Interpretation:-Diagnosis and monitoring of treatment in diabetes mellitus and evaluation of carbohydrate metabolism in various diseases.

 THYROID T3 T4 TSH

 T3
 1.370
 ng/mL
 0.970 - 1.690

 T4
 8.71
 ug/dl
 5.53 - 11.00

μIU/mL

0.40 - 4.05

0.0 - 41.0

T3:- Method: ElectroChemiLuminescence ImmunoAssay - ECLIA

Interpretation:-The determination of T3 is utilized in the diagnosis of T3-hyperthyroidism the detection of early stages of hyperthyroidism and for indicating a diagnosis of thyrotoxicosis factitia.

T4:- Method: ElectroChemiLuminescence ImmunoAssay - ECLIA

Interpretation:-The determination of T4 assay employs acompetitive test principle with an antibody specifically directed against T4.

TSH - THYROID STIMULATING HORMONE :- ElectroChemiLuminescenceImmunoAssay - ECLIA

0.79

34.3

Interpretation:-The determination of TSH serves as theinitial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH levels.

LFT (LIVER FUNCTION TEST)			
BILIRUBIN TOTAL	0.65	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.47	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.18	mg/dl	0.00 - 0.30
SGOT	29.8	U/L	0.0 - 40.0

U/L

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

**SGPT** 

MBBS | MD | INCHARGE PATHOLOGY

Page: 1 Of 10

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender IP/OP Location	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
	O-OPD	Report Date	18/10/2024 3:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9251616062		

		BIOCHEMISTRY	
TOTAL PROTEIN	8.1	g/dl	6.6 - 8.7
ALBUMIN	4.9	g/dl	3.5 - 5.2
GLOBULIN	3.2		1.8 - 3.6
ALKALINE PHOSPHATASE	84	U/L	40 - 129
A/G RATIO	1.5	Ratio	1.5 - 2.5
GGTP	23.0	U/L	10.0 - 60.0

BILIRUBIN TOTAL :- Method: DPD assay. Interpretation:-Total Bilirubin measurements are used in the diagnosis and treatment of various liver diseases, and of haemolytic and metabolic disorders in adults and newborns. Both obstruction damage to hepatocellular structive.

BILIRUBIN DIRECT :- Method: Diazo method Interpretation:-Determinations of direct bilirubin measure mainly conjugated,

saturations of direct bilitubin.

SGOT - AST :- Method: IFCC without pyridoxal phosphate activation. Interpretation:-SGOT(AST) measurements are used in the diagnosis and treatment of certain types of liver and heart disease.

SGPT - ALT :- Method: IFCC without pyridoxal phosphate activation. Interpretation:-SGPT(ALT) Ratio Is Used For Differential Diagnosis In Liver Diseases.

TOTAL PROTEINS :- Method: Biuret colorimetric assay. Interpretation:-Total protein measurements are used in the diagnosis and treatment of a variety of liver and kidney diseases and bone marrow as well as metabolic and nutritional disorder. ALBUMIN :- Method: Colorimetric (BCP) assay. Interpretation:-For Diagnosis and monitoring of liver diseases, e.g. liver cirrhosis, nutritional status.

ALKALINE PHOSPHATASE :- Method: Colorimetric assay according to IFCC. Interpretation:-Elevated serum ALT is found in hepatitis, cirrhosis, obstructive jaundice, carcinoma of the liver, and chronic alcohol abuse. ALT is only slightly elevated in patients who have an uncomplicated myocardial infarction. **GGTP-GAMMA GLUTAMYL TRANSPEPTIDASE**:- Method: Enzymetic colorimetric assay. Interpretation:-y-glutamyltransferase is used in the diagnosis and monitoring of hepatobiliary disease. Enzymatic activity of GGT is often the only parameter with increased values when testing for such diseases and is one of the most sensitive indicator known.

#### LIPID PROFILE

TOTAL CHOLESTEROL	248.9		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	36.8		High Risk :-<40 mg/dl (Male), <40 mg/dl (Female) Low Risk :->=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	197.2		Optimal :- <100 mg/dl Near or Above Optimal :- 100-129 mg/dl Borderline :- 130-159 mg/dl High :- 160-189 mg/dl Very High :- >190 mg/dl
CHOLESTERO VLDL	40	mg/dl	10 - 50

**RESULT ENTERED BY: SUNIL EHS** 

Dr. ABHINAY VERMA

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
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Mobile No.	9251616062		

## **BIOCHEMISTRY**

TRIGLYCERIDES 199.2 Normal:-<150 mg/dl

Border Line:- 150 - 199 mg/dl High :- 200 - 499 mg/dl Very high :- > 500 mg/dl

CHOLESTEROL/HDL RATIO 7 %

CHOLESTEROL TOTAL: - Method: CHOD-PAP enzymatic colorimetric assay. Interpretation: The determination of the individual total cholesterol (TC) level is used for screening purposes while for a better risk assessment it is necessary to measure additionally lipid & lipoprotein metabolic disorders. HDL CHOLESTEROL: - Method: Homogenous enzymetic colorimetric method. Interpretation: -HDL-cholesterol has a protective against coronary heart disease, while reduced HDL-cholesterol concentrations, particularly in conjunction with elevated triglycerides, increase the cardiovascular disease. LDL CHOLESTEROL: - Method: Homogenous enzymatic colorimetric assay. Interpretation: -LDL play a key role in causing and influencing the progression of atherosclerosis and in particular coronary sclerosis. The LDL are derived form VLDL rich in TG by the action of various lipolytic enzymes and are synthesized in the liver. CHOLESTEROL VLDL: - Method: VLDL Calculative

TRIGITYCERIDES: - Method: GPO-PAP enzymatic colorimetric assay. Interpretation:-High triglycerde levels also occur in various diseases of liver, kidneys and pancreas. DM, nephrosis, liver obstruction. CHOLESTEROL/HDL RATIO: - Method: Cholesterol/HDL Ratio Calculative

Sample: Serum

UREA	16.20 L	mg/dl	16.60 - 48.50
BUN	8	mg/dl	6 - 20
CREATININE	0.84	mg/dl	0.70 - 1.20
SODIUM	139	mmol/L	136 - 145
POTASSIUM	4.25	mmol/L	3.50 - 5.50
CHLORIDE	101.9	mmol/L	98 - 107
URIC ACID	6.0	mg/dl	3.4 - 7.0
CALCIUM	9.48	mg/dl	8.60 - 10.00

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

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Mr. AMRIT RAJ HEDA Lab No 4057999 **Patient Name** UHID **Collection Date** 18/10/2024 9:01AM 40022102 18/10/2024 9:03AM Age/Gender **Receiving Date** 35 Yrs/Male Report Date O-OPD **IP/OP Location** 18/10/2024 3:53PM Referred By Dr. EHS CONSULTANT **Report Status** Final Mobile No. 9251616062

#### **BIOCHEMISTRY**

CREATININE - SERUM :- Method:-Jaffe method, Interpretation:-To differentiate acute and chronic kidneydisease.
URIC ACID :- Method: Enzymatic colorimetric assay. Interpretation:- Elevated blood concentrations of uricacid are renal diseases with decreased excretion of waste products, starvation, drug abuse and increased alcohol consume.

SODIUM:- Method: ISE electrode. Interpretation:-Decrease: Prolonged vomiting or diarrhea, diminished reabsorption in the kidney and excessive fluid retention. Increase: excessive fluid loss, high salt intake and kidney reabsorption.

POTASSIUM:- Method: ISE electrode. Intrpretation:-Low level: Intake excessive loss formbodydue to diarrhea, vomiting

renal failure, High level: Dehydration, shock severe burns, DKA, renalfailure.

CHLORIDE - SERUM :- Method: ISE electrode. Interpretation:-Decrease: reduced dietary intake, prolonged vomiting and reduced renal reabsorption as well as forms of acidosisand alkalosis.

Increase: dehydration, kidney failure, some form ofacidosis, high dietary or parenteral chloride intake, and salicylate poisoning.

UREA:- Method: Urease/GLDH kinetic assay. Interpretation:-Elevations in blood urea nitrogenconcentration are seen in inadequate renal perfusion, shock, diminished bloodvolume, chronic nephritis, nephrosclerosis, tubular necrosis, glomerularnephritis and UTI.

CALCIUM TOTAL: - Method: O-Cresolphthaleine complexone. Interpretation:-Increase in serum PTH or vit-D are usually associated with hypercalcemia. Increased serum calcium levels may also be observed in multiple myeloma and other neoplastic diseases. Hypocalcemia may

be observed in hypoparathyroidism, nephrosis, and pancreatitis.

Sample: WHOLE BLOOD EDTA

HBA1C 5.0 % < 5.7% Nondiabetic

5.7-6.4% Pre-diabetic > 6.4% Indicate Diabetes

Known Diabetic Patients
< 7 % Excellent Control
7 - 8 % Good Control
> 8 % Poor Control

Method: - Turbidimetric inhibition immunoassay (TINIA), Interpretation:-Monitoring long term glycemic control, testing every 3 to 4 months is generally sufficient. The approximate relationship between HbAlC and mean blood glucose values during the preceding 2 to 3 months.

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

Lab No **Patient Name** Mr. AMRIT RAJ HEDA 4057999 18/10/2024 9:01AM UHID 40022102 **Collection Date** 18/10/2024 9:03AM Age/Gender **Receiving Date** 35 Yrs/Male **Report Date IP/OP Location** O-OPD 18/10/2024 3:53PM **Referred By** Dr. EHS CONSULTANT **Report Status** Final Mobile No. 9251616062

## **BIOCHEMISTRY**

Test Name	Result	Unit	Biological Ref. Range	
BLOOD GLUCOSE (PP )				Sample: PLASMA
BLOOD GLUCOSE (PP)	150.5	mg/dl	Non – Diabetic: - < 140 mg/dl Pre – Diabetic: - 140-199 mg/dl	

Diabetic: - >=200 mg/dl

Method: Hexokinase assay.

Interpretation:-Diagnosis and monitoring of treatment in diabetes mellitus and evaluation of carbohydrate metabolism in various diseases.

**RESULT ENTERED BY: SUNIL EHS** 

Dr. ABHINAY VERMA

**Patient Name** Mr. AMRIT RAJ HEDA Lab No 4057999 UHID 40022102 **Collection Date** 18/10/2024 9:01AM 18/10/2024 9:03AM Age/Gender **Receiving Date** 35 Yrs/Male **Report Date IP/OP Location** O-OPD 18/10/2024 3:53PM **Referred By** Dr. EHS CONSULTANT **Report Status** Final

**BLOOD BANK INVESTIGATION** 

**Biological Ref. Range Test Name** Result Unit

**BLOOD GROUPING** "O" Rh Positive

9251616062

Mobile No.

1. Both forward and reverse grouping performed.
2. Test conducted on EDTA whole blood.

**RESULT ENTERED BY: SUNIL EHS** 

Dr. ABHINAY VERMA

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
IP/OP Location	O-OPD	Report Date	18/10/2024 3:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final

CLIN	NICA	LP	λТН	OL	OGY

Result	Unit	Biological Ref. Range	
			Sample: Urine
NEGATIVE		NEGATIVE	
			Sample: Urine
NEGATIVE		NEGATIVE	
			Sample: Urine
20	ml		
PALE YELLOW		P YELLOW	
HAZY		CLEAR	
6.5		5.5 - 7.0	
1.020		1.016-1.022	
NEGATIVE		NEGATIVE	
NEGATIVE		NEGATIVE	
NEGATIVE		NEGATIVE	
NEGATIVE			
NEGATIVE		NEGATIVE	
NEGATIVE		NEGATIVE	
NEGATIVE		NEGATIVE	
TRACE		NEGATIVE	
4-5	/hpf	0 - 3	
0-0	/hpf	0 - 2	
2-3	/hpf	0 - 1	
NIL		NIL	
NIL		NIL	
	NEGATIVE  20 PALE YELLOW HAZY  6.5 1.020 NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE TRACE  4-5 0-0 2-3 NIL	NEGATIVE  20 ml PALE YELLOW HAZY  6.5 1.020 NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE TRACE  4-5 /hpf 0-0 /hpf 2-3 /hpf NIL	NEGATIVE  NEGATIVE  NEGATIVE  NEGATIVE  NEGATIVE  NEGATIVE  NEGATIVE  P YELLOW  CLEAR  6.5  1.020  1.016-1.022  NEGATIVE  NEGATIVE

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

Mobile No.

9251616062

Mr. AMRIT RAJ HEDA **Patient Name** Lab No 4057999 UHID 40022102 **Collection Date** 18/10/2024 9:01AM 18/10/2024 9:03AM Age/Gender 35 Yrs/Male **Receiving Date Report Date IP/OP Location** O-OPD 18/10/2024 3:53PM **Referred By** Dr. EHS CONSULTANT **Report Status** Final Mobile No. 9251616062

## **CLINICAL PATHOLOGY**

BACTERIA NIL NIL OHTERS NIL NIL

Methodology:-Glucose: GOD-POD, Bilirubin: Diazo-Azo-coupling reaction with a diazonium, Ketone: Nitro Pruside reaction, Specific Gravity: Proton release from ions, Blood: Psuedo-Peroxidase activity oh Haem moiety, pH: Methye Red-Bromothymol Blue (Double indicator system), Protein: H+ Release by buffer, microscopic & chemical method.. interpretation: Diagnosis of Kidney function, UTI, Presence of Protein, Glucoses, Blood. Vocubulary syntax: Kit insert

**RESULT ENTERED BY: SUNIL EHS** 

Dr. ABHINAY VERMA

**Patient Name** Mr. AMRIT RAJ HEDA Lab No 4057999 UHID 40022102 **Collection Date** 18/10/2024 9:01AM 18/10/2024 9:03AM Age/Gender 35 Yrs/Male **Receiving Date** Report Date **IP/OP Location** O-OPD 18/10/2024 3:53PM **Referred By** Dr. EHS CONSULTANT **Report Status** Final

Mobile No. 9251616062

### **HEMATOLOGY**

Test Name	Result	Unit	Biological Ref. Range	
			San	nple: WHOLE BLOOD EDTA
HAEMOGLOBIN	15.7	g/dl	13.0 - 17.0	
PACKED CELL VOLUME(PCV)	45.5	%	40.0 - 50.0	
MCV	88.0	fl	82 - 92	
MCH	30.4	pg	27 - 32	
MCHC	34.5	g/dl	32 - 36	
RBC COUNT	5.17	millions/cu.mm	4.50 - 5.50	
TLC (TOTAL WBC COUNT)	6.26	10^3/ uL	4 - 10	
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHILS	43.8	%	40 - 80	
LYMPHOCYTE	44.2 H	%	20 - 40	
EOSINOPHILS	4.2	%	1 - 6	
BASOPHIL	0.3 L	%	1 - 2	
MONOCYTES	7.5	%	2 - 10	
PLATELET COUNT	2.51	lakh/cumm	1.500 - 4.500	

HAEMOGLOBIN :- Method:-SLS Hemoglobin Methodology by Cell Counter. Interpretation:-Low-Anemia, High-Polycythemia.

MCV :- Method:- Calculation by sysmex. MCH :- Method:- Calculation by sysmex. MCHC :- Method:- Calculation bysysmex.

RBC COUNT :- Method:-Hydrodynamic focusing. Interpretation:-Low-Anemia, High-Polycythemia.

TLC (TOTAL WBC COUNT) :- Method: Optical Detector block based on Flowcytometry. Interpretation: High-Leucocytosis, Low-Leucopenia.

NEUTROPHILS :- Method: Optical detector block based on Flowcytometry LYMPHOCYTS :- Method: Optical detector block based on Flowcytometry

EOSINOPHILS :- Method: Optical detector block based on Flowcytometry MONOCYTES :- Method: Optical detector block based on Flowcytometry

BASOPHIL :- Method: Optical detector block based on Flowcytometry

PLATELET COUNT :- Method:-Hydrodynamic focusing method. Interpretation:-Low-Thrombocytopenia, High-Thrombocytosis.

HCT: Method:- Pulse Height Detection. Interpretation:-Low-Anemia, High-Polycythemia. NOTE: CH- CRITICAL HIGH, CL: CRITICAL LOW, L: LOW, H: HIGH

ESR (ERYTHROCYTE SEDIMENTATION RATE)

25 H

mm/1st hr

0 - 15

**RESULT ENTERED BY: SUNIL EHS** 

Dr. ABHINAY VERMA

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999		
UHID	40022102	Collection Date	18/10/2024 9:01AM		
Age/Gender IP/OP Location	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM		
	O-OPD	Report Date	18/10/2024 3:53PM		
Referred By	Dr. EHS CONSULTANT	Report Status	Final		
Mobile No.	9251616062				

Method:-Modified Westergrens. Interpretation:-Increased in infections, sepsis, and malignancy.

\*\*End Of Report\*\*

RESULT ENTERED BY : SUNIL EHS

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# **DEPARTMENT OF RADIO DIAGNOSIS**

UHID / IP NO	40022102 (41644)	RISNo./Status:	4057999/
Patient Name:	Mr. AMRIT RAJ HEDA	Age/Gender:	35 Y/M
Referred By:	Dr. EHS CONSULTANT	Ward/Bed No:	OPD
Bill Date/No :	18/10/2024 8:22AM/ OPSCR24- 25/24134	Scan Date :	
Report Date :	18/10/2024 10:02AM	<b>Company Name:</b>	Mediwheel - Arcofemi Health Care Ltd.

### **ULTRASOUND STUDY OF WHOLE ABDOMEN**

**Liver:** Normal in size & **shows increased parenchymal echotexture.** No obvious significant

focal parenchymal mass lesion noted. Intrahepatic biliary radicals are not dilated.

Portal vein is normal.

**Gall Bladder:** Lumen is clear. Wall thickness is normal. CBD is normal.

**Pancreas:** Normal in size & echotexture.

**Spleen:** Normal in size & echotexture. No focal lesion seen.

Right Kidney: Normal in shape, size & location. Echotexture is normal. Corticomedullary

differentiation is maintained. No evidence of significant hydronephrosis or

obstructive calculus noted.

Left Kidney: Normal in shape, size & location. Echotexture is normal. Corticomedullary

differentiation is maintained. No evidence of significant hydronephrosis or

obstructive calculus noted.

Urinary Bladder: Normal in size, shape & volume. No obvious calculus or mass lesion is seen. Wall

thickness is normal.

**Prostate:** Is normal in size and echotexture.

**Others:** No significant free fluid is seen in pelvic peritoneal cavity.

**IMPRESSION**: USG findings are suggestive of

• fatty liver grade – I.

Correlate clinically & with other related investigations.

DR. SURESH KUMAR SAINI RADIOLOGIST

Juresy -

MBBS, MD.

Reg. No. 22597, 36208.

# **DEPARTMENT OF CARDIOLOGY**

UHID / IP NO	40022102 (41644)	RISNo./Status:	4057999/
Patient Name:	Mr. AMRIT RAJ HEDA	Age/Gender:	35 Y/M
Referred By:	Dr. EHS CONSULTANT	Ward/Bed No:	OPD
Bill Date/No :	18/10/2024 8:22AM/ OPSCR24- 25/24134	Scan Date :	
Report Date:	18/10/2024 11:40AM	<b>Company Name:</b>	Final

REFERRAL REASON: HEALTH PACKAGE

### 2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

### **M MODE DIMENSIONS: -**

IVI IVIODE DIIVIEI	10101101		No	rmal				Normal
IVSD	9.5	6-12mm			LVIDS	28.1	20-40mm	
LVIDD	46.7	32-57mm			LVPWS	16.3	mm	
LVPWD	9.5	6-12mm		AO	27.2	19-37mm		
IVSS	16.3	mm		LA	30.8	19-40mm		
LVEF	60-62	>55%		RA	-	mm		
	DOPPLEI	R MEA	SUREN	IENTS &	& CALC	ULATIONS	<u>:</u>	
STRUCTURE	MORPHOLOGY	VELOCITY (m/s)			GRADIENT		REGURGITATION	
					(mml	Hg <u>)</u>		
MITRAL	NORMAL	E	0.91	e'	-	-		NIL
VALVE		A	0.60	E/e'	-			
TRICUSPID	NORMAL	E 0.68		-		NIL		
VALVE		A		0.:	56			
AORTIC	NORMAL	1.47			-		NIL	
VALVE								
PULMONARY VALVE	NORMAL	1.12		-		NIL		
1		1						

### **COMMENTS & CONCLUSION: -**

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 60-62%
- NORMAL LV SYSTOLIC FUNCTION
- NORMAL LV DIASTOLIC FUNCTION
- ALL CARDIAC VALVES ARE NORMAL
- NO EVIDENCE OF CLOT/VEGETATION/PE
- INTACT IVS/IAS

IMPRESSION: - NORMAL BI VENTRICULAR FUNCTIONS

DR SUPRIY JAIN MBBS, M.D., D.M. (CARDIOLOGY) DIRECTOR & INCHARGE CARDIOLOGY DR MEGHRAJ MEENA MBBS, SONOLOGIST FICC, CONSULTANT PREV. CARDIOLOGY & INCHARGE CCU DR ROOPAM SHARMA MBBS, PGDCC, FIAE CONSULTANT & INCHARGE EMERGENCY, PREV. CARDIOLOGY(NIC) & WELLNESS CENTER